FORTRESS™
AUTOMOTIVE SECURITY

FS-40

Remote Control Alarm & Remote Engine Starting System

OPERATION INSTRUCTIONS

INTRODUCTION

CONGRATULATIONS on your choice of a Super Rage™ *Alarm & Remote Engine Starter with DP Technology by Crimestopper Security Products Inc.* This booklet contains the information necessary for operating your system. If any questions arise, contact your installation dealer or Crimestopper Security Products Inc.

IMPORTANT INFORMATION: Primary and Optional Features

-PRIMARY: These are features that must be connected in order for the system to operate properly i.e. Power, Ground, Lights, Siren, etc.

-OPTIONAL: Optional features are connected only if desired or agreed upon by the installing dealer i.e. Door Locks, Horn Honk, Dome light illumination, Starter Kill, L.E.D., Trunk Pop, etc. These features may require additional parts and labor charges. Consult with your installer about these features ***before*** installation.

CONTACT INFORMATION:
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CRIMESTOPPER
SECURITY PRODUCTS, INC.
1770 S. TAPO STREET
SIMI VALLEY, CA. 93063 **REV 11-2008**

This device complies with FCC Rules part 15. Operation is subject to the following two conditions: 1) This device may not cause interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

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OPERATION CAUTIONS & WARNINGS

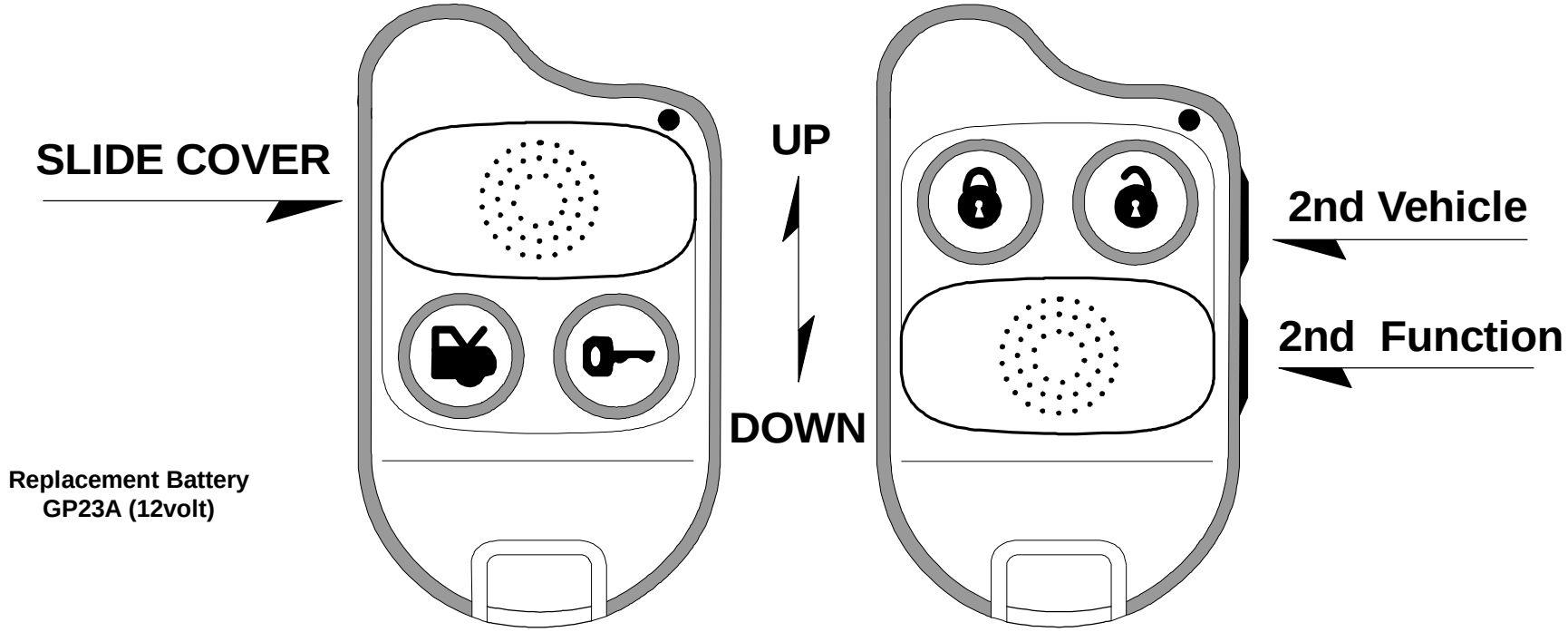
CRIMESTOPPER SECURITY PRODUCTS, INC. *and its* ***VENDORS*** *shall not be liable for any accident resulting from the use of this equipment. This system is designed to be professionally installed into a car or vehicle in good running order. Items, such as parking brake, door switches, and all engine safety features, must be in perfect working condition.*

DAMAGE resulting from misuse or negligence is NOT covered under warranty *and will be subject to repair and / or replacement charges.*

IT IS ABSOLUTELY THE OWNER'S SOLE RESPONSIBILITY TO: *A) Understand the operation of this system and its safety features. B) Check for proper operation of these safety features prior to accepting delivery of the vehicle from the installation facility. C) Check and maintain the condition of the vehicle and all items relative to the proper operation of this system and its safety features.*

DO NOT remote start the vehicle in a closed garage. *Make sure that the vehicle is outdoors, a garage door is open, or there is adequate exhaust ventilation. Failure to observe this rule could result in* ***injury or death*** *from poisonous Carbon Monoxide fumes. This is especially important when using the Timed Self-Start feature of the unit*

REMOTE OPERATION QUICK GUIDE



The slide cover is used to protect pressing buttons by accident.
Move cover to middle position to block all 4 buttons.

2nd Vehicle Button # 5: *The LED will Flash Blue while in 2nd Vehicle Mode.*

2nd Function Button # 6: *The LED will turn solid Red for AUX 2, AUX 3, AUX #4*

- *AUX #2: Press button 6 then press button 1 (Lock Icon).*
- *AUX #3: Press button 6 then press button 2 (Unlock Icon).*
- *AUX #4: Press button 6 then press button 4 (Start Icon).*

OPERATING INSTRUCTIONS - ALARM

Arming / Locking:
Press and release button #1 (Lock symbol) on the transmitter. The System will arm and confirm with one siren chirp, one light flash, and the LED will begin to flash. Power locks will lock (if equipped). Starter disable circuit will turn on. After a short delay to allow the vehicle and electronics to settle, the system is completely armed.

Disarming: / Unlocking
Press and release button #2 (Unlock symbol) on the transmitter. System will disarm and confirm with two siren chirps, two light flashes, and the LED will turn off. Power locks will Unlock and Interior Dome light will turn on (if installed with these optional features)

Disarming While Tripped (Triggered):
Disarming the System while it is triggering requires TWO presses of the #2 Unlock Button. The first press of Button #2 Resets the alarm cycle only (system still armed) while a second press will disarm/unlock the system.

Silent Arming/Disarming (On demand):
To Arm or Disarm the system without siren chirps, press and release both Buttons #2 (Unlock) and #4 (Start) at the same time. System will Arm or Disarm without siren chirps that one time. Flashing lights and LED will be the only indicators of Arm/Disarm status. If the system was tripped while you were way, 4 chirps will be heard to notify you that the system was tripped.

Silent Arming/Disarming (Chirp Defeat):
This system can be programmed to silent arm and disarm using the normal lock and unlock buttons. Flashing lights and LED will be the only indicators of armed or disarm status. Check with your installer or follow programming option instructions in the installation manual.

Alarm Triggering
An intrusion into the vehicle or hard impact to the body will sound the alarm and flash the lights for 1 minute. After 1 minute the trigger cycle will automatically stop and alarm will remain armed to continue protecting the vehicle. If a door is left open after an intrusion then the unit will cycle a maximum of 2 minutes and continue to protect the other un-tampered or unopened zones.

Prior intrusion Alert
This system will notify you if the alarm was tripped while you where away. Upon disarming, the two normal disarm chirps will be heard then the system will emit 4 additional siren chirps. Check your vehicle for any signs of a break in or tampering. Also see LED Diagnostics Section to determine the cause of the trigger.

OPERATING INSTRUCTIONS - ALARM

Remote Panic Protection

To sound the alarm in an emergency situation or to draw attention to your vehicle, press and hold Button #1 (Lock) for at least 3 seconds until the siren sounds. Press Button #2 (Unlock) to reset panic mode.

Arming With Shock Sensor Bypass

To arm the alarm and bypass shock sensor protection, press Button #1 as normal then press and release Button #1 and #2 together within 2 seconds. You will hear 3 extra siren chirps indicating shock sensor bypass for this arming cycle only.

Open Zone Alert / Bypass

Upon arming, this system will warn you if a door is left open. After a 60 second setup delay (for extended dome lights) has elapsed, if the system detects a fault or a door left open, the siren will chirp 5 times along with 5 light flashes. This zone will be automatically bypassed and the alarm will protect all other zones.

Pre-Warning Shock Protection

The Pre-warning (warn-away) feature will activate when a low-level shock or vibration detected by the system's shock sensor. The alarm will chirp the siren 5 times and flash the lights once to help deter any further tampering with the vehicle.

Passive Arming Mode: (Programmable)

Passive (automatic) arming occurs 30 seconds after the ignition is turned off and the last door is closed. Upon closing the last door, the unit will flash the lights twice and LED will be flashing rapidly to confirm passive countdown. If a door is reopened within the 30 second period, the countdown stop and begin again when the door is closed. Passive arming provides failsafe protection in case you forget to arm the system.

Passive Locking: (Programmable)

The system can be programmed to passively lock the doors when the system passively arms. The default setting is OFF because passive locking increases the risk of locking the keys in the vehicle.

Dome Light Illumination (Optional)

This feature will turn on the vehicle's dome light upon disarming for 30 seconds or until the key is inserted and turned on. This will provide illuminated entry to your vehicle in dimly lit areas for safety and security.

Trunk/Hatch Pop (Optional, Remote AUX. Output 1) Programmable Option # 8

This feature is designed to interface with existing Factory power trunk or power hatch release systems and may require additional parts and/or labor charges. Press and release Button #3 (Trunk) on the transmitter to pop/open the trunk/hatch. If the system is armed, it will also disarm when the button #3 is pressed.

OPERATING INSTRUCTIONS - ALARM

Remote AUX. Output 2 (Optional)

This system contains a second auxiliary output to activate other accessories or devices. To activate the systems' Second Auxiliary Output, Press button 6, then press button 1. Output stays on as long as the button is held. Remote output #2 requires programming before operation. Check with your installer or follow programming option instructions in the installation manual.

Remote AUX. Output 3 and 4 (Optional)

This system also has two programmable auxiliary outputs to activate other accessories or devices. To activate Auxiliary Outputs 3 and 4, Press button 6 then press button 2 or 4. These outputs can be programmed for momentary, timed or latched On/Off. Check with your installer or follow programming option instructions in the installation manual.

Emergency Override (Disarm)

If the transmitter is lost or it stops working for any reason and the Alarm is armed, you will have to disarm the system manually. Open the door with the key [alarm will sound], turn the ignition on, and press the override program button for about 5 seconds. The Alarm will disarm and allow you to use the vehicle until you can replace the remote. Note that you may need to put the system into valet mode to prevent passive arming.

Valet Mode (Enter manually or using the remote)

To disable Alarm and Remote Engine Starting for vehicle servicing or otherwise the system must be disarmed. Turn the ignition on and press the override/program button [about 5-7 seconds] until you hear (3) siren chirps and the LED turns on solid. Repeat the process to exit VALET mode. To enter / exit valet via the remote, press and hold both buttons #1 (Lock) and Button #2 (unlock) together for about 3 seconds until 3 chirps are heard. Repeat this step to exit via the remote transmitter. Lock/Unlock and AUX features will still operate in when in VALET mode however remote start and alarm functions are inhibited.

Valet Park Mode (Using the remote transmitter only)

Note: Valet Park mode is only accessible when using the remote transmitter. Valet park mode allows you to turn over the vehicle to a valet allowing access to drive/lock/unlock your vehicle, but alarm will trigger if the trunk is opened. To activate Valet Park the system must be disarmed. Press and hold both buttons #1 (Lock) and Button #2 (unlock) together for about 3 seconds. 3 chirps will be heard first when unit goes into regular Valet. Release, press and hold both buttons again, you will hear 2 more chirps. LED will flash slowly when in Valet Park. Repeat step to exit Valet Park mode.

LED DIAGNOSTICS

The system includes disarm diagnostics, through the RED LED light, that will help in determining what caused the last trigger of the alarm system. This is a valuable tool in determining how the vehicle was tampered with or if there is a false alarm problem in which case you can make the necessary adjustments to correct the problem. When the system is disarmed with the remote you will hear the normal 2 chirps, then 4 quick chirps that indicate the alarm was triggered while you were away. Check the LED light for a sequence of flashes:

Shock Sensor = 1 Flash Door = 2 Flashes Hood/Trunk = 3 Flashes Ignition = 4 Flashes

Diagnostics will reset when the Ignition is turned on or when the system is re-armed.

REMOTE ENGINE CONTROL

Remote Start & Auxiliary Output – Button Press Selection (Option # 8):
To eliminate the possibility of accidentally opening the trunk or starting the vehicle, there are (3) options for button press selection. This option will allow you to change whether the Remote starter and Trunk release activate by a:

1. Double button ½ second presses.
2. Single ½ second press.
3. Press and Hold 2 seconds.

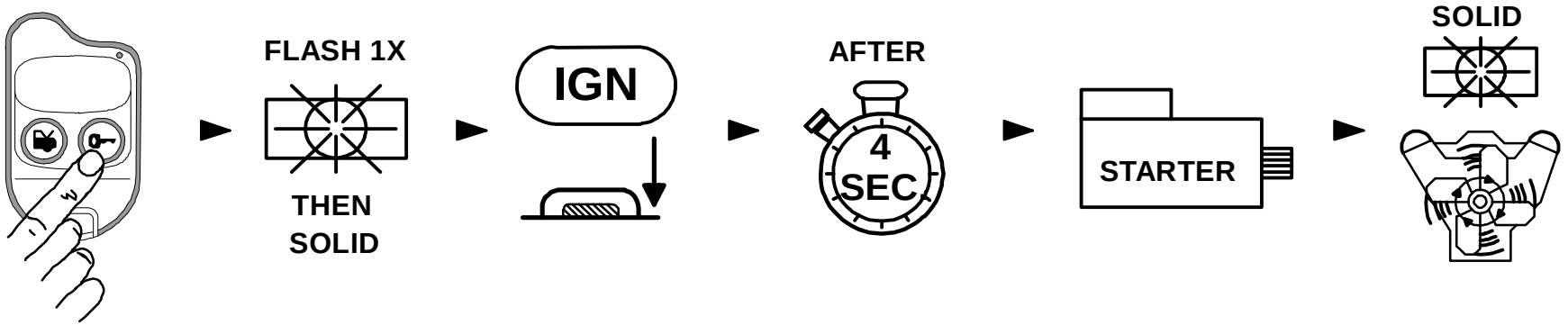
Default = Single ½ second press

REMOTE ENGINE STARTING - SUCCESSFUL START

1) Press and release the remote start button on the remote transmitter. System will chirp 3 times for audible confirmation. (Chirps can be programmed on or off-See Option programming in the installation manual.)
2) Parking lights flash once, then turn on solid, Ignition/Accessory circuits turn on.
3) After 6 seconds Starter Motor engages, Parking lights and Accessory circuits turn off while cranking.
4) Engine Starts and Runs. Parking Lights and Accessory turn back on, Doors Lock.
5) Engine will remain running for programmed run time until reset with Brake pedal. If needed, the engine can be turned off with remote transmitter.

REMOTE ENGINE CONTROL

REMOTE ENGINE STARTING - SUCCESSFUL START DIAGRAM:



REMOTE ENGINE STARTING - UNSUCCESSFUL START

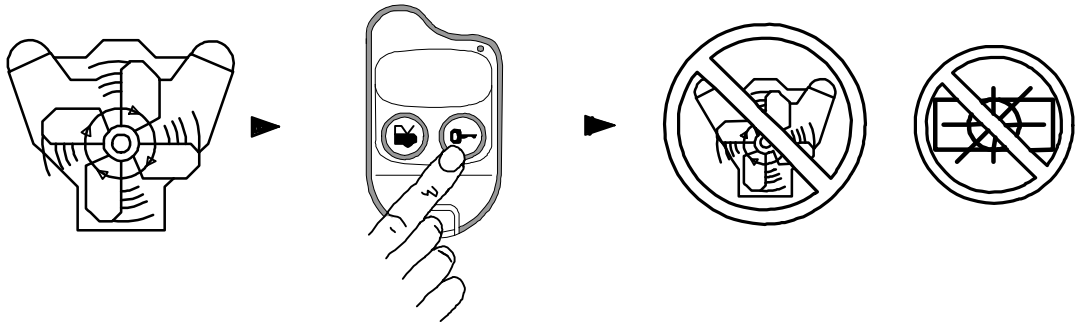
In the event that the engine does not start on the first attempt, the system shuts down for a few seconds, then attempts to restart the engine a 2nd and 3rd time. For hard starting engines, the unit will allow a starter crank time of up to13 seconds maximum. This should provide ample cranking time for difficult starts, but is limited to 13 seconds to help prevent damage to the starter from over cranking.

1) If engine starts on 2nd or 3rd attempt, see steps 4 & 5 above of "Successful Start".
2) If Third attempt fails to start engine, the system will turn off and doors will remain locked. *NO FURTHER ATTEMPTS WILL BE MADE AUTOMATICALLY UNLESS YOU PRESS THE START BUTTON AGAIN.*

TURNING OFF A REMOTE STARTED ENGINE:

1) Engine is running in Remote Start (Parking lights ON).
2) Press and release the Start button.
3) Engine & parking lights turn OFF, Doors remain locked or will re-lock if applicable.

TURNING OFF A REMOTE STARTED ENGINE DIAGRAM:



REMOTE ENGINE CONTROL

ENTERING YOUR REMOTE STARTED VEHICLE:

1) With engine running, Remote Unlock/Disarm system (If armed) or open door with key.
2) Enter vehicle and be careful not to step on brake pedal! (Remote Start Reset)
3) Turn Ignition to ON/RUN position, then press brake pedal to reset the Remote Starter & Shift out of park.
4) Remote starter will reset instantly when the brake is pressed. Parking lights will turn off and the ignition key is now controlling your vehicle.

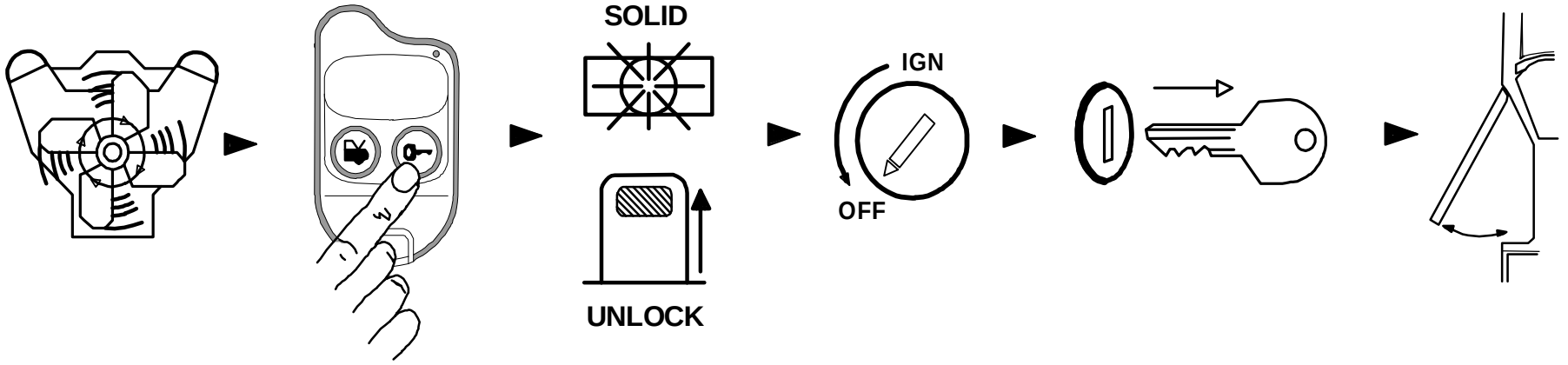
IDLE DOWN MODE (TAKE-OVER OPERATION)

This mode allows the unit to take over operation of your idling, parked vehicle while the ignition key is removed and you exit the vehicle. The vehicle is put into a remote running condition before you exit and it will remain running for the programmed run time, until you return, or until the remote start button is pressed. Examples:

You pull up to a convenience store for a quick stop, "Idle Down" mode keeps engine running when you exit the vehicle, (with keys in hand) remote lock/arm alarm. When you return, unlock/disarm alarm, turn ignition ON and drive away. This mode can also be used on Turbo vehicles that need idle for cool-down.

IDLE DOWN MODE - EXITING THE VEHICLE:

1) With engine running, press and release the Start button. Siren will chirp 3 times for confirmation.
2) Parking Lights will turn ON.
3) Doors will unlock, or if brake pedal is being depressed doors will unlock when it is released.
4) Turn OFF Ignition and remove key. Engine should remain running.
5) Exit vehicle then remote lock doors if desired.
6) Engine will remain running for programmed run time, until you return, or press the remote start button.



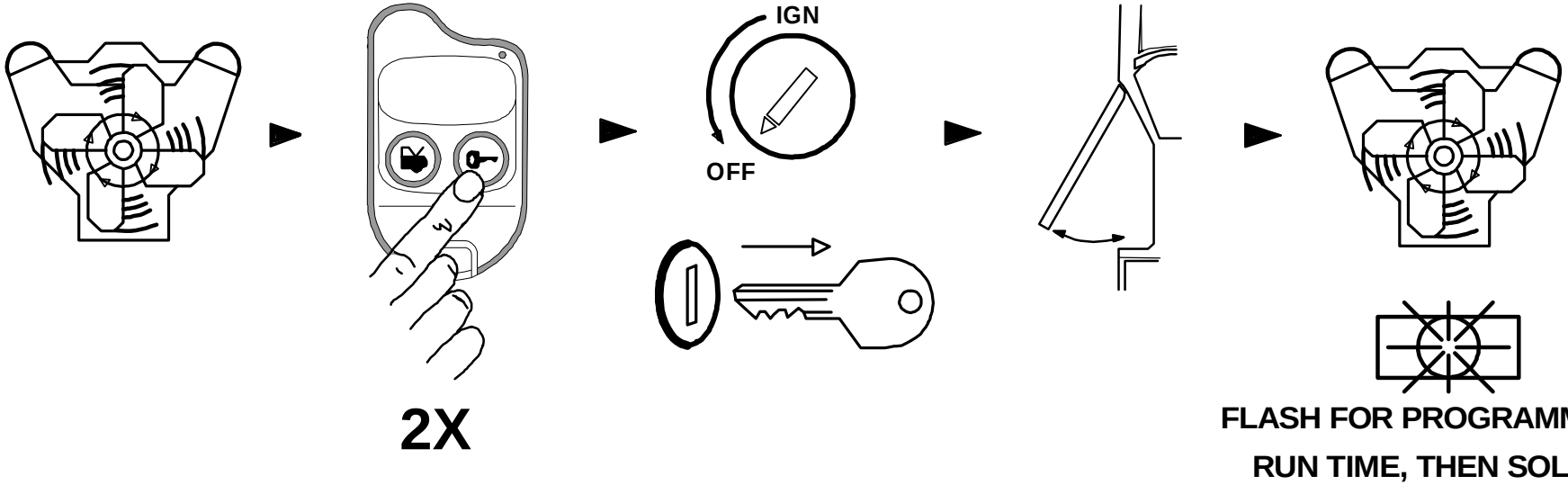
REMOTE ENGINE CONTROL

INFINITY RUN MODE

This mode allows the vehicle's engine to remain running *INDEFINITELY.* This mode can be beneficial to law enforcement vehicles or commercial vehicles that need to remain running unattended for long periods of time.

INFINITY RUN MODE – EXITING THE VEHICLE:

1) Follow steps on the last page for "IDLE DOWN MODE - EXITING THE VEHICLE", except press the remote start button TWO times at STEP #1.
2) Parking Lights will start flashing instead of coming on solid, and doors will unlock.
3) Turn Ignition switch OFF, remove key and exit the vehicle. Engine should remain running.
4) The vehicle's parking lights will flash for the programmed run time of 12, 24, or 36, or 48 minutes and then switch to solid while motor runs indefinitely or until fuel supply runs out.



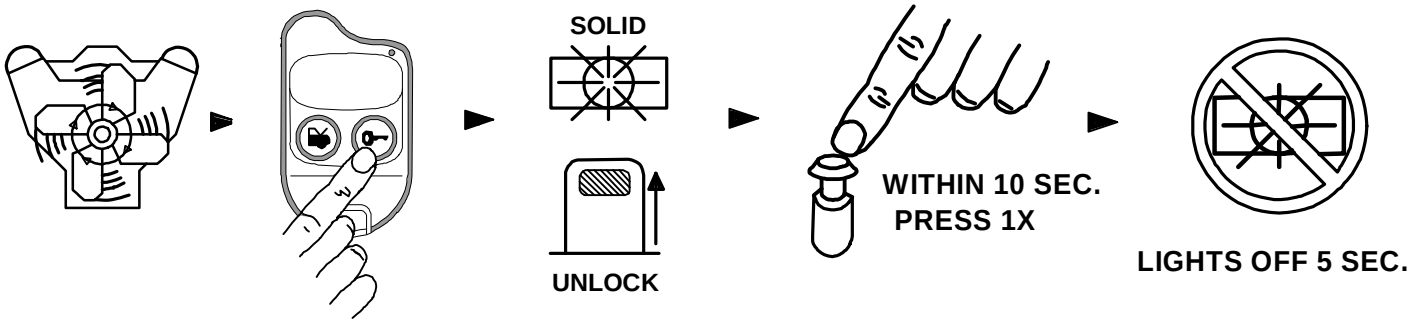
REMOTE ENGINE CONTROL

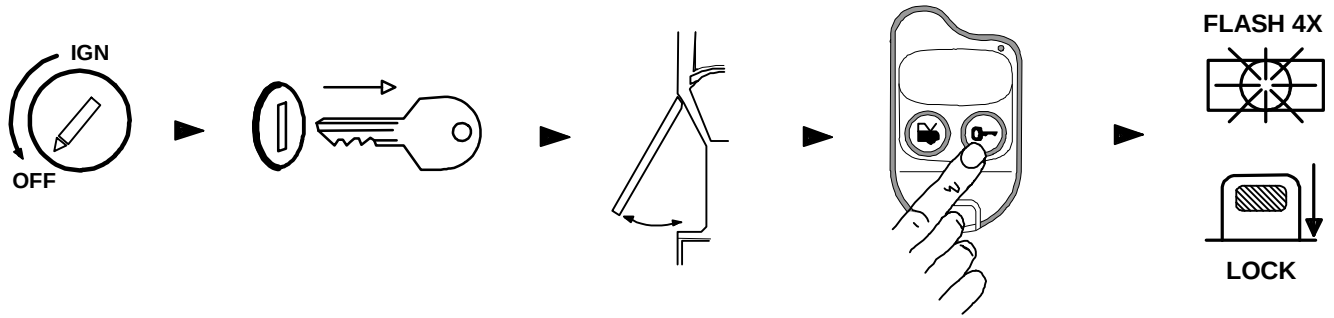
TIMED SELF START MODE

This mode allows the vehicle to be programmed to self-start every 4 hours and run for the programmed run time. This can be helpful during extremely cold conditions where engine fluid freeze-up is a concern. THE VEHICLE MUST BE OUTDOORS OR IN A WELL VENILATED AREA.

TIMED SELF-START MODE – EXITING THE VEHICLE:

1) Have engine running with the Key, then press and release the Start button.
2) Within the next 10 seconds press the valet/program button once.
3) Parking Lights will turn OFF for about 5 seconds, and doors will unlock.
4) Turn Ignition switch OFF, remove key and exit the vehicle. Engine should remain running.
5) To turn off the engine, press the remote start button. The parking lights will flash 4 TIMES as a confirmation that the unit is in Timed Self-Start Mode.
6) The Vehicle will Start by itself every 4 hours until driven with key or started via remote control.





RESETTING TIMED SELF START MODE

To reset the timed self-start mode, start the vehicle using the key or the remote control

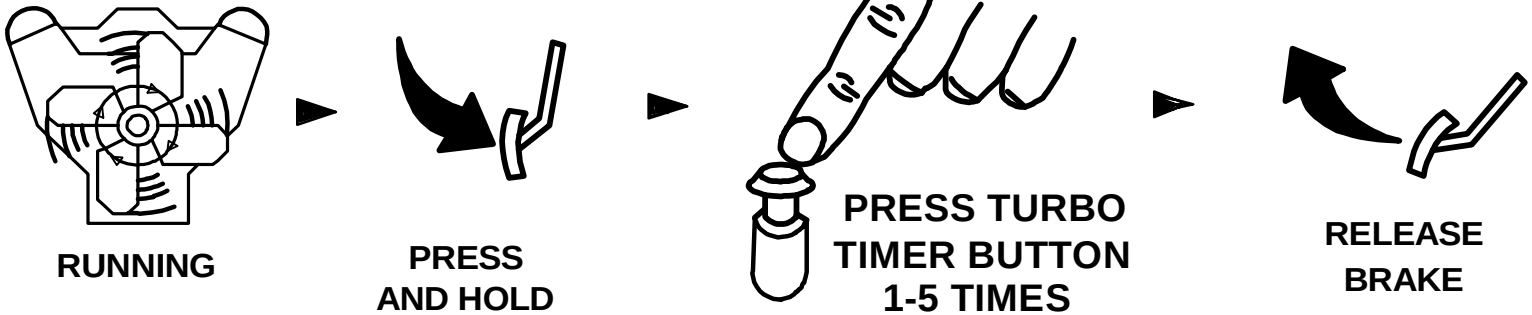
OPTIONAL TURBO TIMER MODE

The optional Turbo Timer mode allows the system to keep a Turbo or Turbo Diesel vehicle running for 1 to 5 minutes [selectively] after you remove the key and exit the vehicle. This is handy for turbo cool-down without the need for expensive turbo timers. This mode requires the use of an extra part called a momentary switch/button that is not included with the kit. There are (3) modes of operation for the Turbo Timer Mode. Option # 30 selects the Turbo Timer Mode.

1. ***Brake Pedal Set Mode***. With the engine running by key, ***press Remote Start Button with brake pedal depressed.*** As you release the brake pedal, the Parking Lights and Status LED will blink the number of minutes for the Turbo Timer setting. The doors unlock after confirmation. The run time can be changed by using the push button switch attached to the green start activation wire (see Always Set Mode).
2. ***Always Set Mode (default)***. The Turbo Timer Run Time must always be set. With brake pedal depressed and engine running by key, Press the "Turbo Timer" button 1 to 5 times for each minute of run time you desire. (1 press = 1 min.) As you release the brake pedal, your system will confirm by flashing the lights the same number of times the button was pressed. The doors unlock after confirmation. Turn Ignition switch OFF, remove key and exit the vehicle.
3. ***Idle Down Mode.*** This replaces the normal Idle Down Mode. Can't use Infinity Run or Manual Transmission Mode with this option. ***With the engine running by key, press the Remote Start Button.*** The Parking Lights and Status LED will blink the number of minutes for the Turbo Timer setting. The doors unlock after confirmation. The run time can be changed by using the push button switch attached to the green start activation wire (see Always Set Mode).

Note: Mode 1 and 3, the run timer (1 to 5 min.) is set one time. The system always remembers the Turbo Timer setting even with battery disconnection.

SETTING THE TURBO TIMER RUN TIME

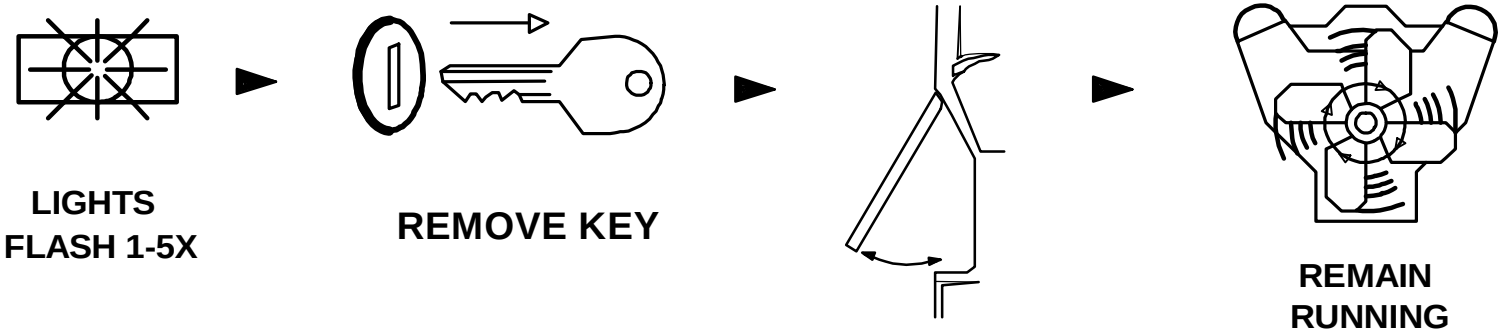


RUNNING

PRESS AND HOLD BRAKE

PRESS TURBO TIMER BUTTON 1-5 TIMES

RELEASE BRAKE



LIGHTS FLASH 1-5X

REMOVE KEY

EXIT VEH.

REMAIN RUNNING 1-5 MIN.

CAUTION!! IF YOU PRESS THE TURBO TIMER BUTTON WHEN ENGINE IS NOT RUNNING IT WILL TRIGGER A REMOTE START! MAKE A NOTE OF THIS IF YOU HAVE CHILDREN. CONSIDER THIS WHEN CHOOSING A LOCATION FOR YOUR TURBO TIMER BUTTON.

ANTI CARJACK PROTECTION

REMOTE OPERATED CARJACK PROTECTION

This feature provides Active Carjack protection through the remote control. When the Ignition is on (vehicle is running), press and hold the #1 LOCK Button and #3 TRUNK Button for 2 seconds. The parking lights will flash 2 times and the LED will begin to flash rapidly to confirm the beginning of a Carjack countdown. 30 Seconds later, the unit will begin a Carjack Cycle consisting of 20 seconds of pre-warning chirps turning into a full system activation with siren / flashing light pulses for up to 5 min. If the Ignition is turned off during a Carjack trigger the siren and lights stop but Carjack protection is still active. The Siren and Lights will resume if the Carjacker tries to turn the Ignition back ON. TO RESET: Press Button #2 (UNLOCK) on the remote and the siren will chirp once, or turn the key on and press and hold the override button for at least 5 seconds.

SWITCH-CONTROLLED & FULL TIME CARJACK (PINK WIRE CONFIGURATION)

This feature can provide Passive or Manual control Carjack protection depending on the configuration of the Pink Carjack wire of the alarm system. The system must programmed for the Pink wire to be used as a Carjack trigger at Programming Option #20 in the Installation Manual. Once the Pink wire is programmed to serve as a Carjack trigger, it can be configured in different ways to provide different levels of protection. It can be connected to a hidden +12V toggle/momentary switch or to +12V Ignition Power See installation manual. Read the sections below for further descriptions.

HIDDEN SWITCH CONTROLLED CARJACK:

This configuration will enable the vehicle owner to activate a Carjack countdown by pressing a hidden push-button (not included with kit) during a Carjack situation. A Carjack countdown will begin under the following conditions: Ignition is ON (vehicle is running), the push-button is pressed, and the door opens/closes. Upon these 3 events, in that order, the alarm will start a Carjack countdown. After a delay of one minute, the system will begin chirping for 20 seconds then trigger into a full cycle for up to 5 minutes. To reset this Carjack mode, Ignition must be ON then press and hold the override/valet button for 5 seconds (until LED goes out.)

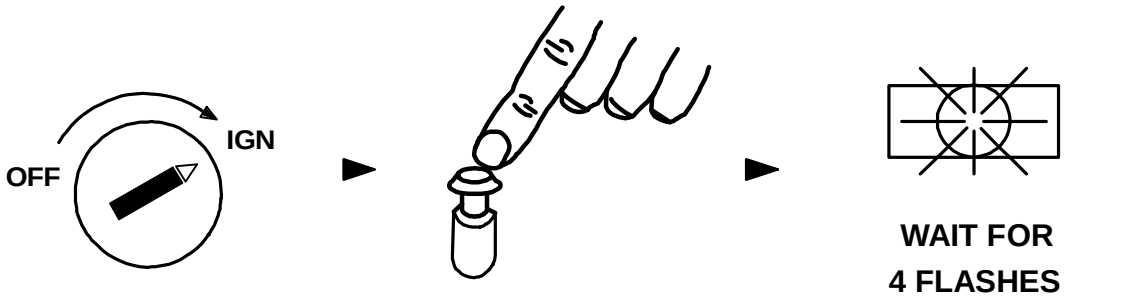
FULL-TIME [Permanent] CARJACK WITH IGNITION ON:

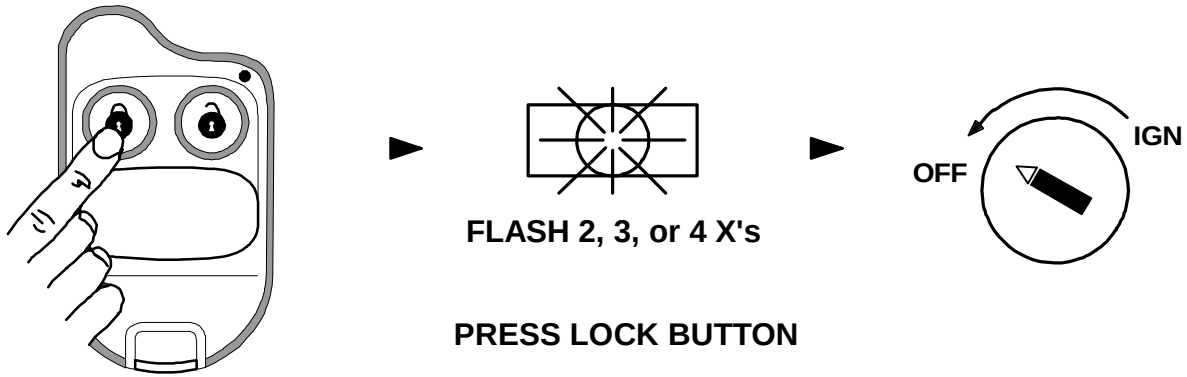
We recommend that this configuration only be used in serious situations. When the Ignition is on (vehicle is running), anytime a door is opened the Carjack countdown sequence will be initiated. There will be 2 light flashes and the LED will change from solid to quick pulsing as confirmation of a countdown sequence. To reset FULL TIME Carjack, the Ignition has to be ON, then press and hold the override/program button 5 seconds until LED stops pulsing. The LED will be on SOLID when in this mode anytime the Ignition is ON (or while driving) as a reminder that Carjack is waiting for a door to open.

TRANSMITTER PROGRAMMING

Note: Remotes Transmitters come pre-programmed from the Factory. When re-learning remotes or adding remotes, ALL your system's remote codes must be learned at time of programming!! This system allow storage of up to 4 different remote codes in memory.

1. Turn key to the ON position. (Starting the vehicle is not necessary.)
2. Press Program/Valet button 4 times. After a few seconds, the unit will flash the parking lights 4 times.
3. Press Button #1 (Lock) of the transmitter to be learned. You should get 2 light flashes indicating the code-learn. Now the unit is waiting for a 2nd code, so repeat this step as needed with up to 3 additional remotes. The unit will flash the lights in succession after each code learned for up to 4 codes. (2 flashes for the 2nd code, 3 flashes for the 3rd code etc.) If all 4 codes are learned, the unit will automatically exit code learning mode, otherwise turn key OFF and close the hood.





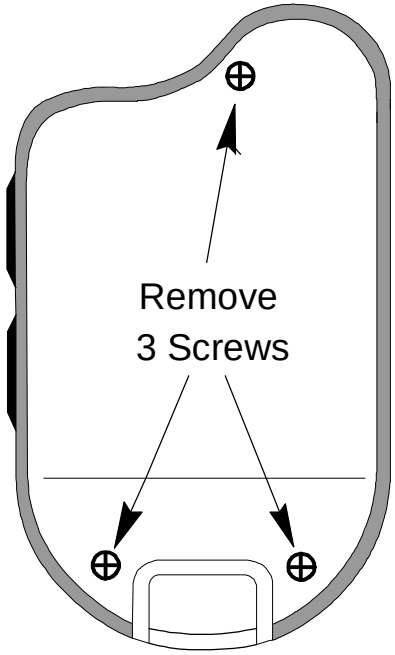
REMOTE START DIAGNOSTICS

If the system flashes the parking lights one to three times and doesn't attempt remote, it means the following:

1 Parking Light Flash = Problem with Brake Switch.
2 Parking Light Flashes = Problem with Hood Switch.
3 Parking Light Flashes = Valet Service Mode.
7 Parking Light Flashes = Manual Transmission Error.

BATTERY REPLACEMENT

To replace the battery: Simply remove the 3 screws on back of the transmitter and open the case. Remove the battery and replace. The replacement battery is GP23A.



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